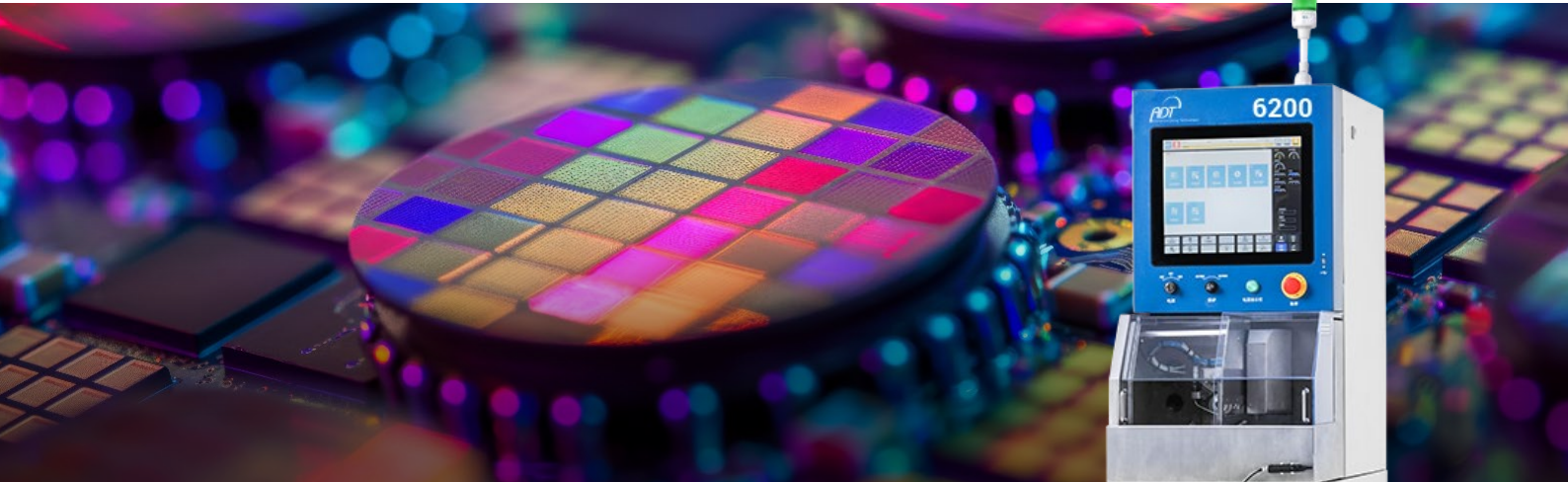
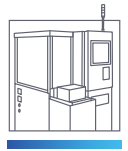




Compact Automatic Dicing System

High Performance. Small Footprint. Low Cost of Ownership.

The 6200 is a compact automatic dicing system designed for manufacturers seeking precision, reliability, and affordability without compromising process quality. Its space-saving design makes it an ideal solution for R&D laboratories, Universities, and large-volume manufacturing where floor space and operating costs are critical.

Built on ADT's proven dicing technology, the 6200 delivers excellent cutting accuracy, simple operation, and dependable performance across a wide range of semiconductor and microelectronic applications.

ADT 6200 has an automatic alignment, cutting, and kerf check inspection.



Flexible Applications

Suitable for processing:

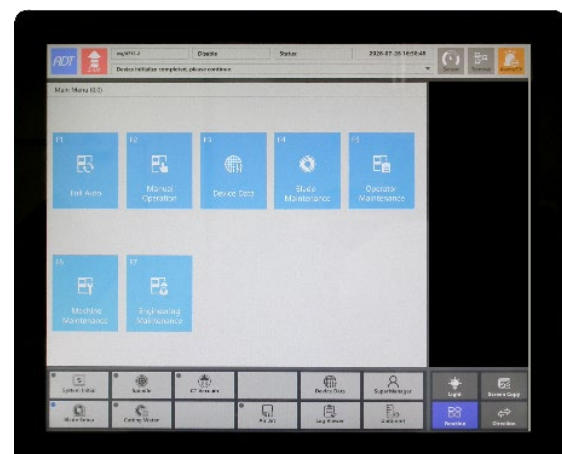
- Silicon wafers
- Compound semiconductors (GaAs, InP, SiC)
- MEMS devices
- Optical components
- Ceramic substrates
- Glass substrates
- Package singulation
- Sensors and microelectronic devices

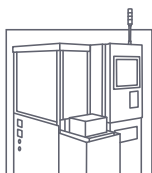
Standard Features

- Automatic vision alignment
- 2.2KW High-power spindle
- Non contact optical sensor for blade wear measurements
- User-friendly software interface
- 17-inch large LCD touch screen
- Compact

Low Cost of Ownership

- Lower initial investment
- Long service life with minimal operating costs
- High system reliability for maximum uptime
- Low utility consumption





6200 Automatic Dicing System

Specifications

Specification	Value
Machine Model	6200
Max Workpiece Size	150 mm (6")
Blade Size	2"
Y-Axis Cutting range Index step Indexing positioning accuracy	162 mm 0.0001 mm Within 0.001 / 160 mm
X-Axis Cutting range Cutting speed	160 mm 0.1 - 600 mm/s
Z-Axis Max. stroke Moving resolution Repeatability accuracy	32.2 mm 0.0001 mm 0.001 mm
θ Axis Max. rotation angle	320 deg
Spindle Type Rated torque Revolution speed range	Air bearing spindle (2.2 kW) 0.34 N·m 6,000 - 60,000 rpm
Standard Features Automation User Interface	Automatic alignment, cutting and kerf check inspection 17" Touch screen monitor, GUI (Graphic User Interface), Multilanguage support, Win10 OS
Options	Fragment shape recognition function, One-click direct access to designated inspection locations, Low magnification camera with large field of view
Utilities Electrical Air Spindle Coolant Cutting water	220V AC, 50/60 Hz, Single-phase / Three-phase 135 L/min (0.5 MPa) 1.5 L/min 2.5 L/min (0.3 MPa)
Machine Dimensions (WxDxH)	490 mm x 1100 mm x 1760 mm
Machine Weight	Approx. 450 kg
Environmental Conditions	Room temperature: 20°C to 25°C (±1°C) Humidity: Less than 70% relative humidity (noncondensing) Cutting water/Spindle water Temperature fluctuation: ±1°C Floor must be vibration-free

Note: Specifications are subject to change without notice.

Ver. 08/26

